

# Role of Mahaim fibers in cardiac arrhythmias

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STELLINGEN  
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**ROLE OF MAHAİM FIBERS  
IN CARDIAC ARRHYTHMIAS**

van

**Eduardo B. Sternick**  
Maastricht, December 15<sup>th</sup>, 2004

1. In young people with palpitations the observation of an "rS" pattern in the ECG lead III should raise the possibility of the presence of a Mahaim fiber. (This thesis).
2. The electrocardiogram during sinus rhythm in patients with a fasciculo-ventricular pathway may mimic the ECG of septally located atrio ventricular bypass tracts. (This thesis).
3. The occurrence of an automatic rhythm during radiofrequency catheter ablation of a decrementally conducting accessory pathway, suggests the presence of an A-V nodal like tissue and indicates a successful ablative procedure. (This thesis).
4. Short atrio-ventricular Mahaim fibers are a heterogeneous group, both as far as A-V nodal like behavior as response to intravenous adenosine and RF induced automaticity is concern. (This thesis).
5. The major cause of a misdiagnosis on the 12-lead ECG of a tachycardia with anterograde conduction over a Mahaim fiber is an atrio-ventricular reentrant tachycardia with LBBB. (This thesis).
6. Hypertrophic cardiomyopathy associated with PRKAG-2 mutations appears to be a glycogen storage disease rather than the characteristic myocardial disarray caused by sarcomere mutation.
7. CT-guided percutaneous radiofrequency ablation of non-resectable lung tumors may be a complement to chemotherapy and radiation therapy.
8. In the management of acute coronary syndromes, especially about decision making as to the necessity of a percutaneous coronary intervention, much more attention should be given to the electrocardiogram.
9. If we consider the daily routine lifestyle, there is no people more open to humanity and kindness, or less prone to evil or violent behavior than the Dutch. He possess a honest nature, without falsity or treachery, with no trends to bad habits, except to a slight inclination to amusement, particularly the good table joy! (Margaret Phillips in: "The Adages of Erasmus", 1964, Cambridge, England)
10. The recent reduction in number of Brazilian soccer players playing outside Brazil is caused by improving economy in Brazil and not by a decrease in their quality!